

## Focus A: Algebra, Number Theory and Logic - Model 1

Start: Winter Semester

Sem.	Lecture Courses Area I	Lecture Courses Area II	Lecture Courses Area III	Graduate Seminars (GS)	Master's Thesis	Electives	CP
1	[V4A3] [9] Representation Theory I	[V4D1] [9] Algebraic Topology I	[V4C2] [9] Approximation Algorithms				27
2	[V4A4] [9] Representation Theory II	[V4D2] [9] Algebraic Topology II		[S4A2] [6] GS on Representation Th.		[P4G1] [9] Pract. Teaching Course	33
3	[V5A5] [7] Adv. Top. in Represent. Th.			[S4D2] [6] GS on Topology	[T5G1] [30] Master's Thesis		31
4	[V5A6] [5] Sel. Top. in Represent. Th.				[S5G1] [6] Master's Thesis Seminar	[MA-INF 2313] [6] Deep Learning for Visual Recognition	29

## Focus A: Algebra, Number Theory and Logic - Model 2

Start: Winter Semester

Sem.	Lecture Courses Area I	Lecture Courses Area II	Lecture Courses Area III	Graduate Seminars (GS)	Master's Thesis	Electives	CP
1	[V4A1] [9] Algebraic Geometry I	[V4B1] [9] Nonlinear PDE I	[F4D1] [9] Foundation Topology I				27
2	[V4A2] [9] Algebraic Geometry II	[F4B1-1] [9] F-PDE & Funct. Analysis		[S4A1] [6] GS on Alg. Geometry		[P4G1] [9] Pract. Teaching Course	33
3	[V5A3] [7] Adv. Top. in Alg. Geometry			[S4A3] [6] GS on Adv. Algebra	[T5G1] [30] Master's Thesis		31
4	[V5A4] [5] Sel. Top. in Alg. Geometry			[S4B1] [6] GS on Analysis	[S5G1] [6] Master's Thesis Seminar		29

## Focus A - Algebra, Number Theory and Logic - Model 3

Start: Winter Semester

Sem.	Lecture Courses Area I	Lecture Courses Area II	Lecture Courses Area III	Graduate Seminars (GS)	Master's Thesis	Electives	CP
1	[F4A1] [9] F-Mathematical Logic	[F4B1-3] [9] F-Global Analysis	[V5B2] [5] Sel. Top. in Analysis & PDE	[S4B3] [6] GS on Global Analysis			29
2		[V5B5] [7] Adv. Top. in Analysis & Calc. of Var.	[F4C1-1] [9] F-Lin. & Integer Optimization	[S4A4] [6] GS on Logic		[P4A1] [9] Pract. Project in Math. Logic	31
3	[V4A7] [9] Advanced Mathematical Logic I			[S4A6] [6] GS on Applied Logic	[T5G1] [30] Master's Thesis		33
4	[V4A8] [9] Advanced Mathematical Logic II				[S5G1] [6] Master's Thesis Seminar		27

## Focus A - Algebra, Number Theory and Logic - Model 4

Start: Summer Semester

Sem.	Lecture Courses Area I	Lecture Courses Area II	Lecture Courses Area III	Graduate Seminars (GS)	Master's Thesis	Electives	CP
1	[F4A1-4] [9] F-Number Theory		[F4E1-1] [9] F-Scientific Computing I	[S4A3] [6] GS on Adv. Algebra		[P4G1] [9] Pract. Teaching Course	33
2	[V4A5] [9] Advanced Algebra I	[V4D1] [9] Algebraic Topology I		[S4E2] [6] GS on Num. Simulation			24
3	[V4A6] [9] Advanced Algebra II	[V4D2] [9] Algebraic Topology II			[T5G1] [30] Master's Thesis		36
4					[S5G1] [6] Master's Thesis Seminar	[P4G2] [9] External Internship	27